Figure 1

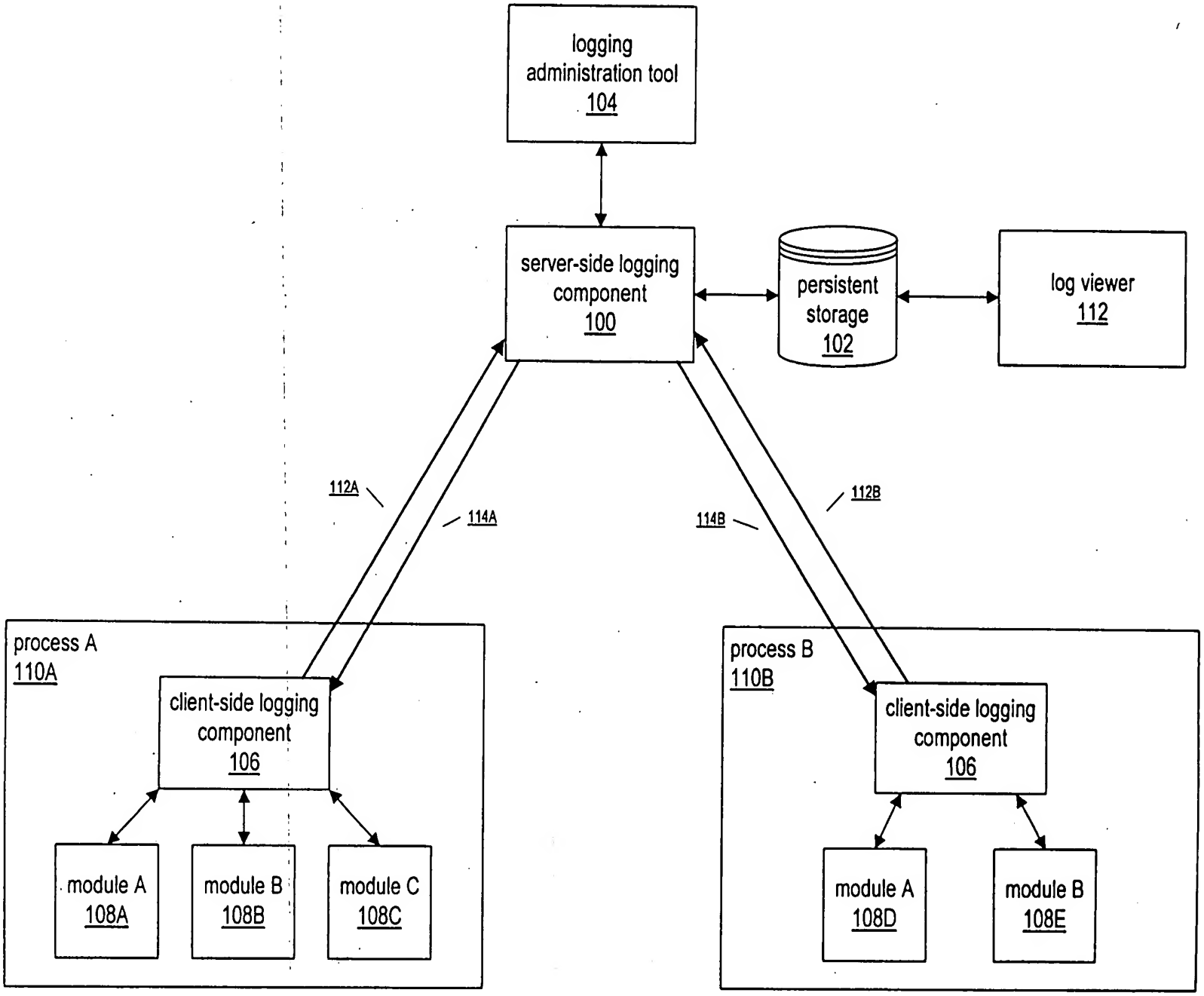
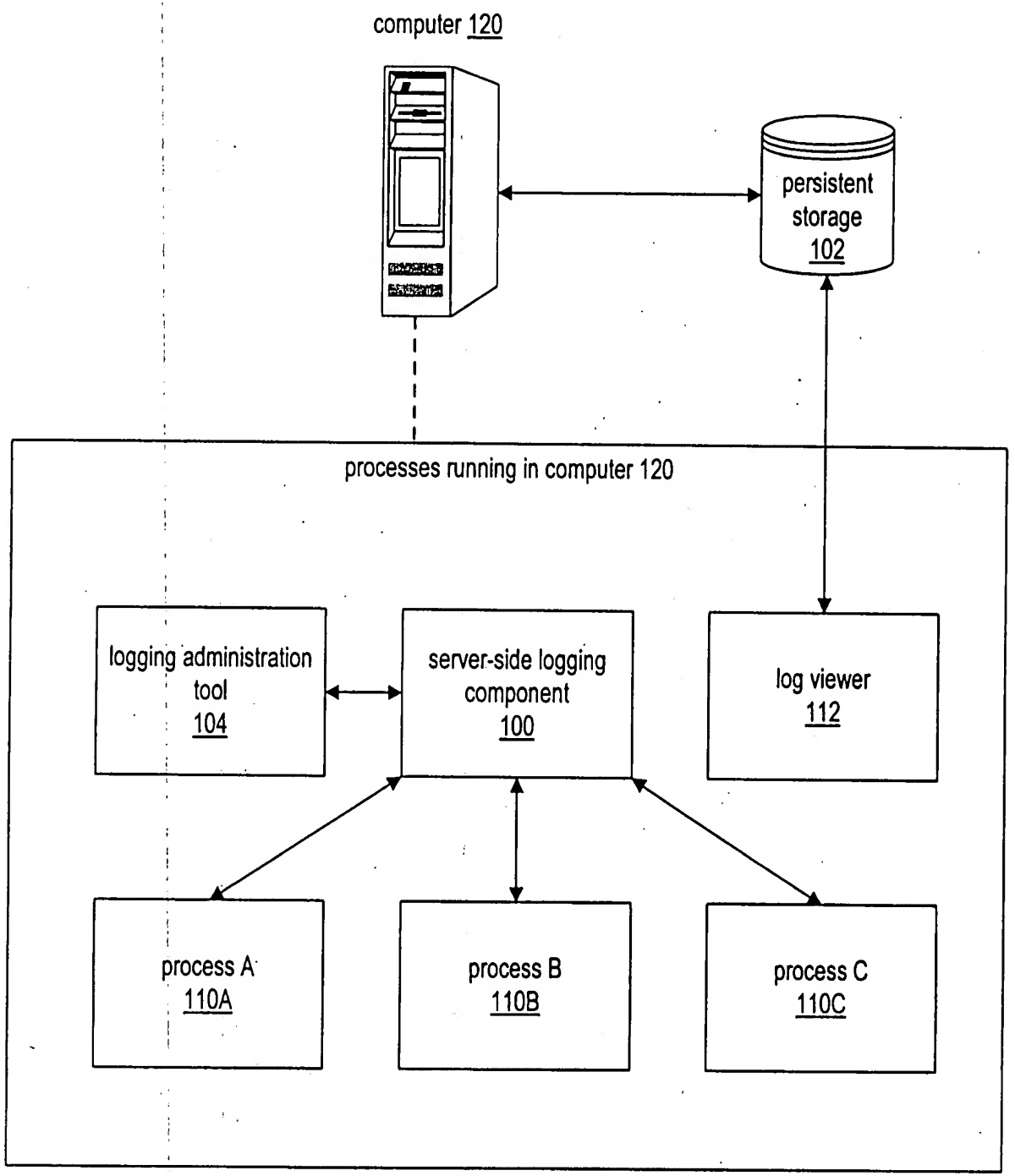

logging administration tool 104
server-side logging component 100
persistent storage 102
log viewer 112
112A
114A
114B
112B
process A 110A
client-side logging component 106
module A 108A
module B 108B
module C 108C
process B 110B
client-side logging component 106
module A 108D
module B 108E

Figure 2A


computer 120
persistent storage 102
processes running in computer 120
logging administration tool 104
server-side logging component 100
log viewer 112
process A 110A
process B 110B
process C 110C

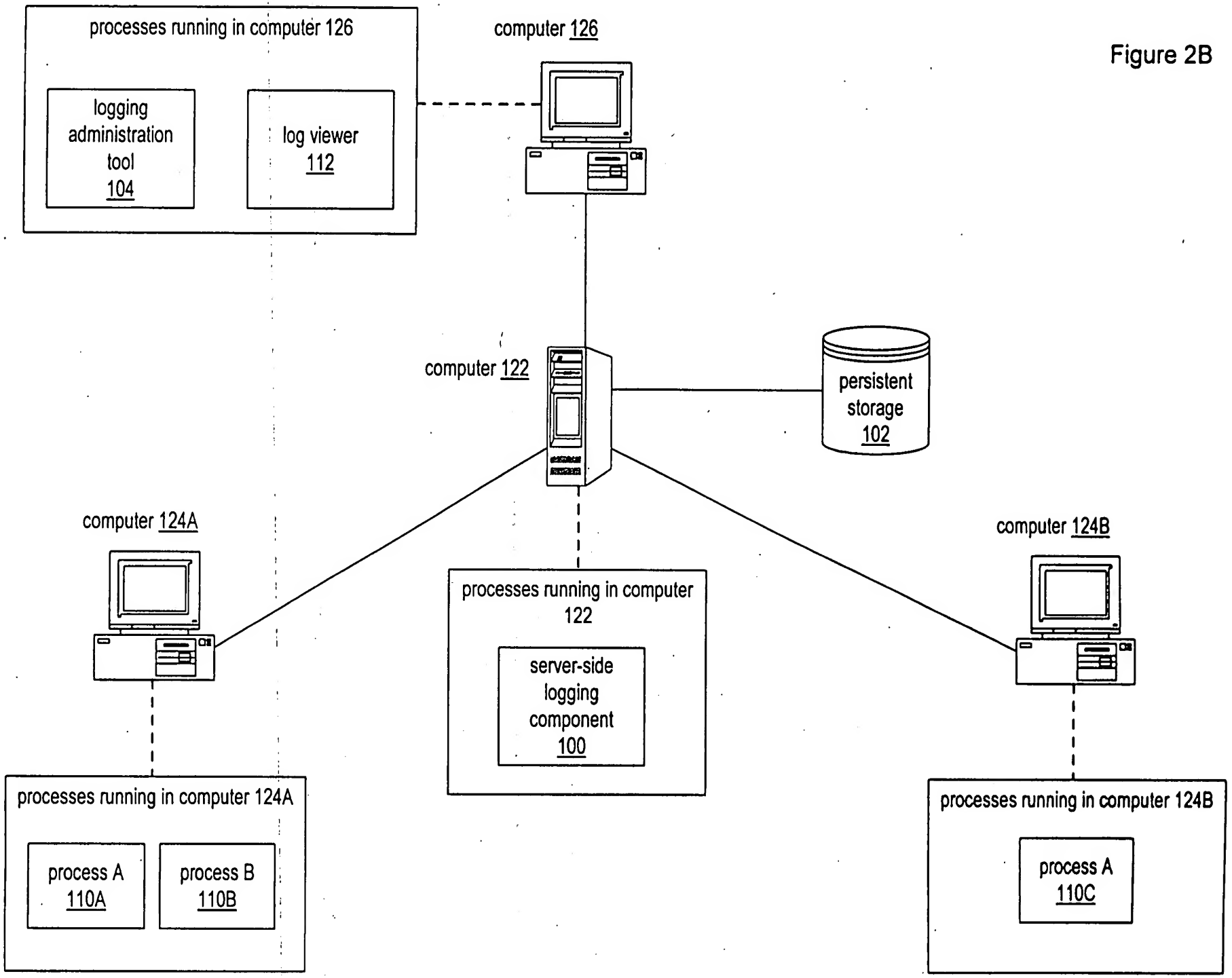

processes running in computer 126
logging administration tool 104
log viewer 112
computer 126
computer 122
persistent storage 102
computer 124A
computer 124B
processes running in computer 122
server-side logging component 100
processes running in computer 124A
process A 110A
process B 110B
processes running in computer 124B
process A 110C

Figure 2B

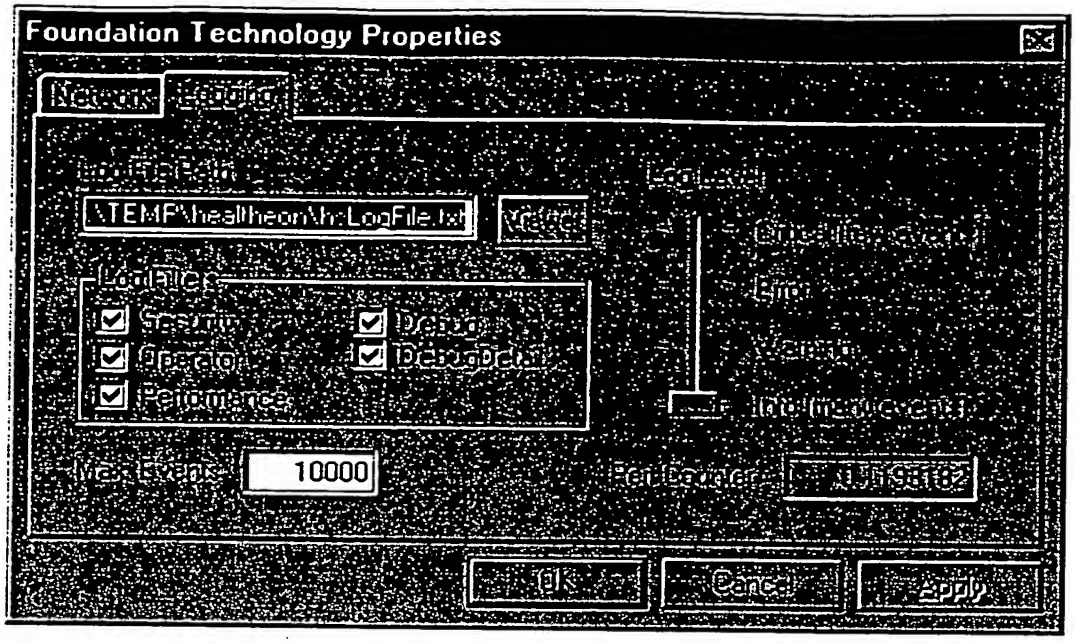

Foundation Technology Properties
Network
Logging
Log File Path
\TEMP\healtheon\hcLogFile.txt
Log Filter
Error
Debug
Performance
Max Events
10000
OK
Cancel
Apply

Figure 3

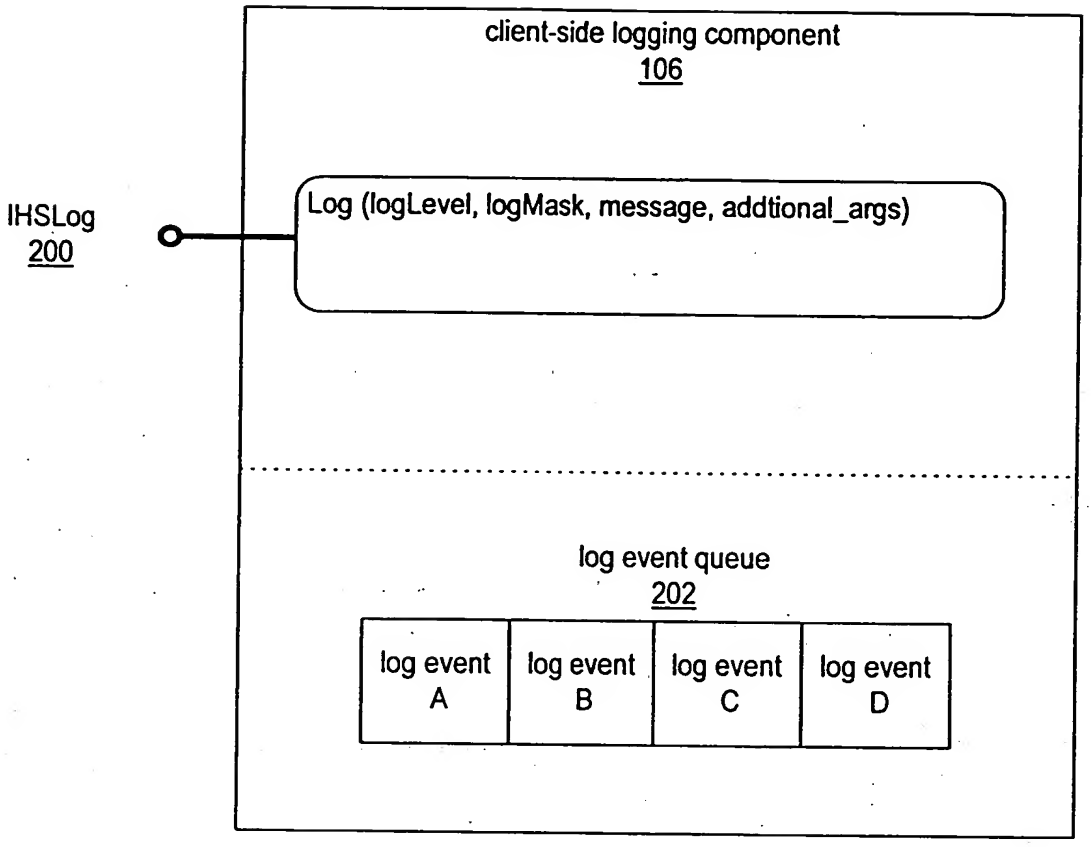

client-side logging component
106
IHSLog
200
Log (logLevel, logMask, message, addtional_args)
log event queue
202
log event A
log event B
log event C
log event D

Figure 4

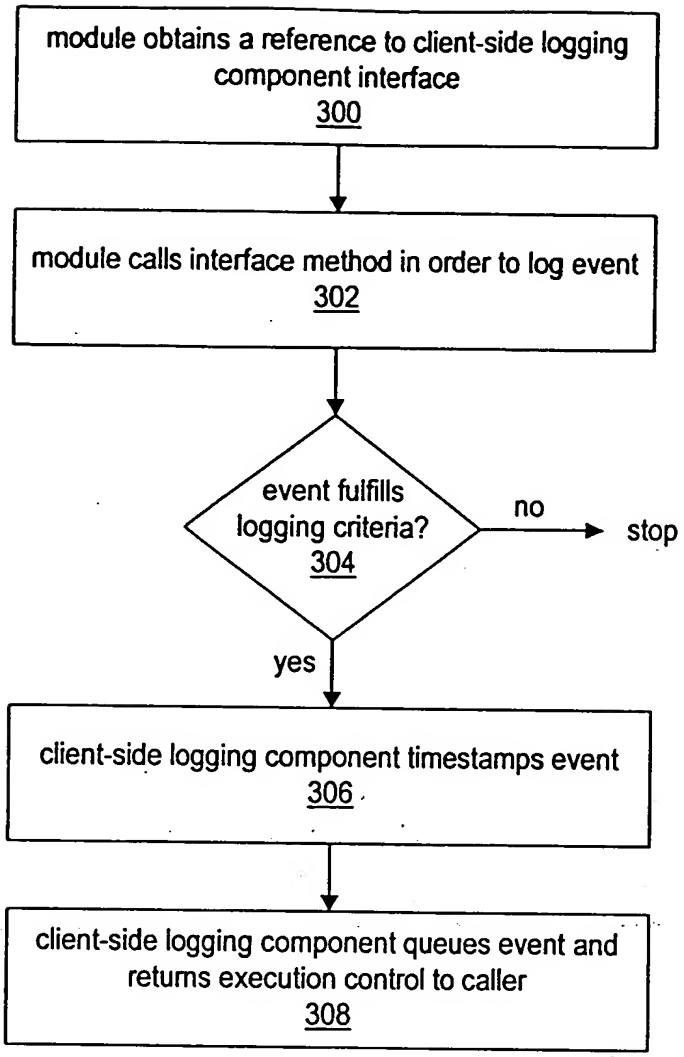

module obtains a reference to client-side logging component interface
300
module calls interface method in order to log event
302
event fulfills logging criteria?
304
no
stop
yes
client-side logging component timestamps event
306
client-side logging component queues event and returns execution control to caller
308

Figure 5

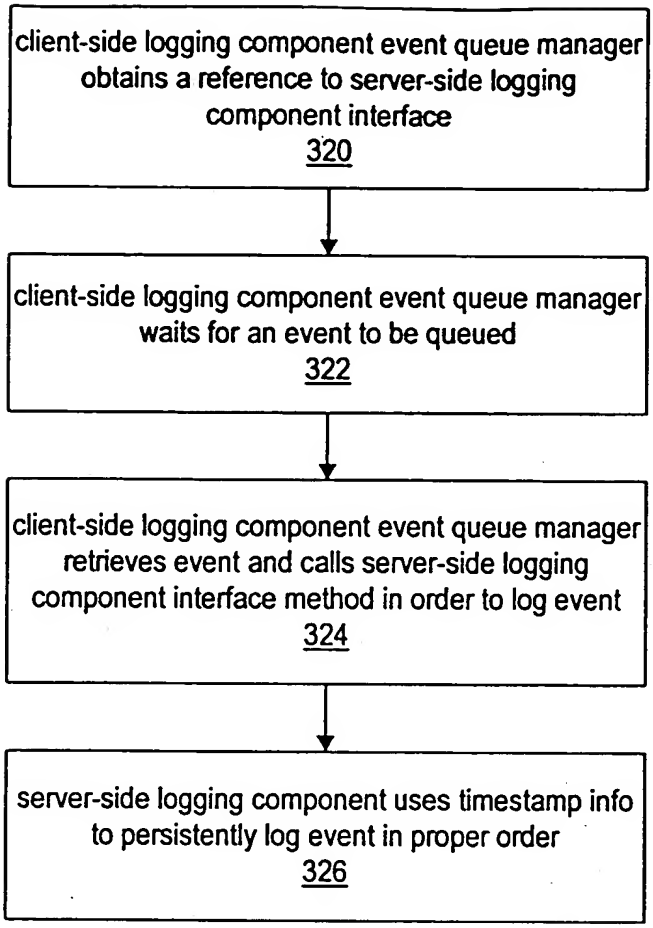

client-side logging component event queue manager obtains a reference to server-side logging component interface
320
client-side logging component event queue manager waits for an event to be queued
322
client-side logging component event queue manager retrieves event and calls server-side logging component interface method in order to log event
324
server-side logging component uses timestamp info to persistently log event in proper order
326

Figure 6

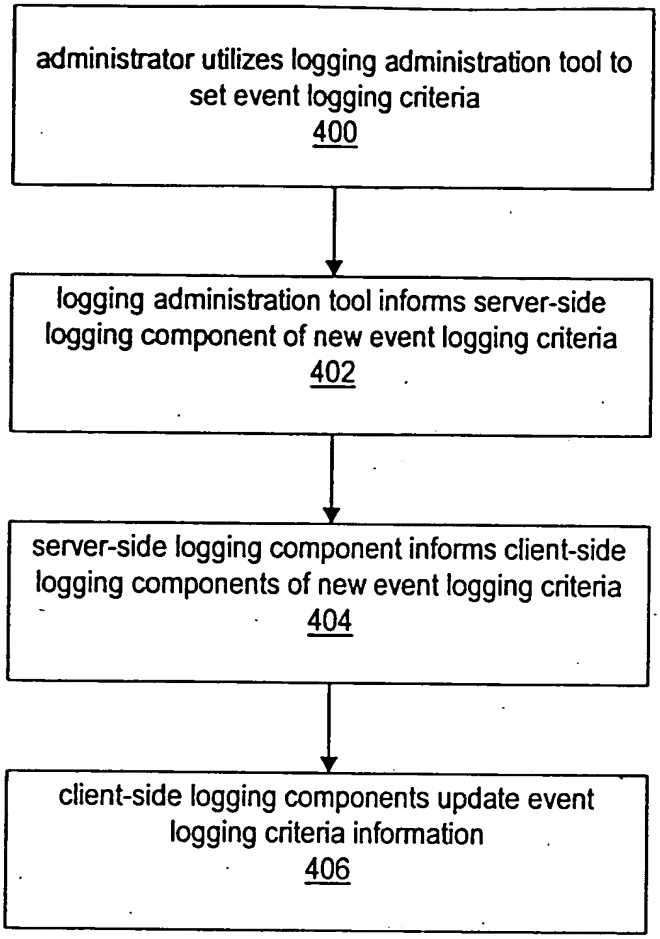

administrator utilizes logging administration tool to set event logging criteria
400
logging administration tool informs server-side logging component of new event logging criteria
402
server-side logging component informs client-side logging components of new event logging criteria
404
client-side logging components update event logging criteria information
406

Figure 7